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Joint for mine stowing discharge line - uses loose sleeve with lock for latch mechanism and locking groove other end

Assignee:
MASCH BRIEDEN K & C Non-standard company
Inventor(s):
KUHME E;

Accession / Update:
1986-043021 / 198607

IPC Class:
E21F 15/08 ;

Derwent Classes:
Q49;

Derwent Abstract

**DERWENT
RECORD**

(DE3427248A) The flanged connection between two pipe sections used for discharging stowing material in mining operations include a collar with a spherical surface on the pipe end, and an outer sleeve on the other pipe end, carrying a flange with a matching curved inner surface. These elements are clamped together by a locking system using swivel latches, the spherical surfaces permitting alignment of the sections to match curves.

The flanged connection between two pipe sections used for discharging stowing material in mining operations include a collar with a spherical surface on the pipe end, and an outer sleeve on the other pipe end, carrying a flange with a matching curved inner surface. These elements are clamped together by a locking system using swivel latches, the spherical surfaces permitting alignment of the sections to match curves.

The pipe section has a protective lining, and its thin outer wall carries a ring which locks inside a groove inside the outer sleeve, to retain it in position. The sleeve is stepped externally, forming a shoulder to form a stop surface for a bearing ring inside a loose collar interconnected with the latch mechanism.

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Advantage - Axial movement during connection is not required and connection is and safe.

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Abstract info:
[DE3427248A: Dwg.0/1](#)

Family:	Patent	Issued	DW Update	Pages	Language	IPC Class
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<u>DE3427248A</u>	*	Feb. 06, 1986	198607	12	German	E21F 15/08
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Local appls.: [DE1984003427248](#) ApplDate:1984-07-24 (84DE-3427248)

Priority Number(s):

Application Number	Application Date	Original Title
		BLASROHR ZUM AUSBLASEN VON VERSAT EINER VON MEHREREN, ABWINKELBAR

DE 034003427248

July 24, 1984

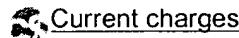
ANEINANDERANGEFLANSCHTEN ROHREN
BESTEHENDEN BLASVERSATZLEITUNG DE
UNTERTAGEBETRIEBES

Title Terms:

JOINT MINE STOW DISCHARGE LINE LOOSE SLEEVE LOCK COLLAR LATCH
MECHANISM LOCK GROOVE END



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